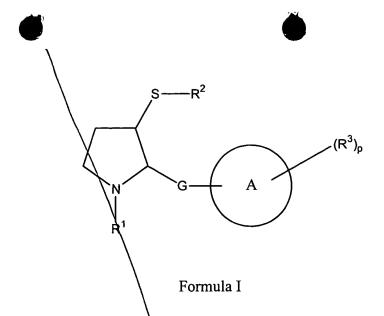


Sub



wherein:

R is selected from H; -C₁₋₄alkyl; -CO-C₁₋₄alkyl; -CO-O-C₁₋₄alkyl;

-CO-O-C₂₋₄alkenyl; -C₁₋₄alkylene-CONR⁴R⁵ (wherein R⁴ and R⁵ are independently selected from H and C₁₋₄alkyl); -C₁₋₄alkylene-COOR⁶ (wherein R⁶ is selected from H and C₁₋₄alkyl); -C₁₋₃alkylene-Ph and -CO-O(CH₂)_nPh wherein the phenyl groups in -C₁₋₃alkylene-Ph and -CO-O(CH₂)_nPh are optionally substituted by R^a and/or R^b and R^a and R^b are independently selected from C₁₋₄alkyl, halogen, hydroxy, C₁₋₄alkoxy, C₁₋₄alkanoyl, C₁₋₄alkanoyloxy, amino, C₁₋₄alkylamino, di(C₁₋₄alkyl)amino, C₁₋₄alkanoylamino, nitro, cyano, carboxy, carbamoyl, C₁₋₄alkoxycarbonyl, thiol, C₁₋₄alkylsulfanyl, C₁₋₄alkylsulfinyl, C₁₋₄alkylsulfonyl and sulfonamido; and n=0-4; R² is selected from H; -C₁₋₄alkyl; -COC₁₋₄alkyl; and -COOC₁₋₄alkyl; and -CO-1-3alkylene-Ph optionally substituted on the phenyl ring by R^a and/or R^b;

R³ is selected from H; OH; CN; CF₃; NO₂; -C₁₋₄ alkyl, -C₁₋₄ alkylene-R⁷;

-C₂₋₄alkenylene-R⁷; -C₂₋₄alkynylene-R⁷; R⁷; OR⁷ (where R⁷ is selected from phenyl, naphthyl, a 5-10 membered monocyclic or bicyclic heteroaryl ring containing up to 5 heteroatoms selected from O, N and S and any aryl ring in R⁷ is optionally substituted by R^a and/or R^b); C₂₋₄alkenyl; halogen; -(CH₂)_yCOOR⁸ (where y = 0-3 and R⁸ represents

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H, C_{1-4} alkyl, or C_{2-4} alkenyl); -CONR⁹R¹⁰ (where R⁹ and R¹⁰ independently represent H, C_{1-4} alkyl, C_{2-4} alkenyl, -O- C_{1-4} alkyl, -O- C_{2-4} alkenyl or

-C₁₋₃alkylenePh (wherein Ph is optionally substituted by R^a and R^b as hereinabove defined); -CON(R¹¹)OR¹² (where R¹¹ and R¹² independently represent H, C₁₋₄alkyl or C₂₋₄alkenyl);

a group of the Formula II: $-CONR^{13}-CR^{13a}R^{14}-COOR^{17}$, (where R^{13} and R^{13a} are independently H or C_{1-4} alkyl, R^{17} is H or C_{1-6} alkyl, R^{14} is selected from the side chain of a lipophilic amino acid, carbamoyl C_{1-4} alkyl, N-(mono C_{1-4} alkyl)carbamoyl C_{1-4} alkyl and N-(di C_{1-4} alkyl)carbamoyl C_{1-4} alkyl, the group of Formula II having L or D configuration at the chiral alpha carbon in the corresponding free amino acid; a lactone of formula:

C₁₋₄alkyl monosubstituted on carbon with =N-OH;

a group of Formula -X-R¹⁵ (where X is selected from O, CO, CH₂, S, SO, SO₂ and R¹⁵ is selected from C₁₋₆alkyl, phenyl, naphthyl, a 5-10 membered monocyclic or bicyclic heteroaryl ring containing up to 5 heteroatoms selected from O, N and S and any aryl ring in R¹⁵ is optionally substituted by R^a and/or R^b;

p is 0-3 in which R³ values can be the same or different;

G is a linking moiety selected from the following groups written from left to right in Formula I:

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Sub 10 (wherein the piperazine and perhydro-1,4-diazepine rings are optionally substituted); $-\text{CO-NR}^{16}\text{-}; -\text{CH}_2\text{-}\text{NR}^{16}\text{-}; -\text{CH}_2\text{S-}; -\text{CH}_2\text{O-}; -\text{CH}_2\text{-}\text{CHR}^{16}; -\text{CH=CR}^{16}\text{-}; -\text{CH}_2\text{NR}^{16}\text{-}\text{T-}; \\ -\text{CH}_2\text{NR}^{16}\text{-}\text{SO}_2\text{-}; -\text{CH}_2\text{-}\text{NR}^{16}\text{-}\text{CO-T}^1\text{-}; -\text{CO-NR}^{16}\text{-}\text{T-}; -\text{CH}_2\text{S-T-}; -\text{CH}_2\text{O-T-} \text{ (where R}^{16}\text{ is selected from N, C}_{1\text{-}4\text{alkyl}}, C_{1\text{-}4\text{alkylene-Z}, -\text{CO-C}_{1\text{-}4\text{alkylene-Z}, -\text{CO-C}_{1\text{-}6\text{alkyl}}, -\text{COZ, Z} \\ \text{and Z is selected from -O-C}_{1\text{-}4\text{alkyl}}, \text{ phenyl, naphthyl, a 5-10 membered monocyclic or bicyclic heteroaryl ring containing up to 5 heteroatoms selected from O, N and S and any aryl ring in R^{16} is optionally substituted by R^a and/or R^b as hereinabove defined; where, T represents -(CH_2)m-where m is 1-4 and T is optionally monosubstituted with any value of R^{16} other than H; and where T^1 represents -(CH_2)m^1-wherein m^1 is 0-4 and T^1 is optionally monosubstituted with any value of R^{16} other than H);$

A is selected from phenyl; naphthyl; a 5-10 membered monocyclic or bicyclic heteroaryl ring containing up to 5 heteroatoms where the reteroatoms are independently selected from O, N & S;

or a -S-S- dimer thereof when R²=H; or a N-oxide thereof; or a pharmaceutically acceptable salt, prodrug or solvate thereof.

Please amend the first paragraph on page 4, line 10 to page 6, line 11, as follows:

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In another aspect of the invention there is provided an inhibitor of ras farnesylation of Formula I wherein:



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R is selected from H; -C₁₋₄alkyl; -C₁₋₃alkylene-Ph optionally mono or di-substituted on Ph with substituents selected from C₁₋₄alkyl, halogen, OH, C₁₋₄alkoxy, C₁₋₄alkanoyl, C_{1-4} alkanoyloxy, amino, C_{1-4} alkylamino, di $(C_{1-4}$ alkyl)amino, C_{1-4} alkanoylamino, nitro. cyano, carboxy, carbamoyl, C₁₋₄alkoxycarbonyl, thiol, C₁₋₄alkylsulfanyl,

C₁₋₄alkylsulfin)(,C₁₋₄alkylsulfonyl and sulfonamido; -CO-C₁₋₄alkyl; -CO-O-C₁₋₄alkyl;

-CO-O-C₂₋₄alken | ; -CO-O-(CH₂)_nPh optionally substituted on Ph as defined for substitution on Ph in $R^1 = -C_{1-3}$ alkylene-Ph above and n=0-4;

-C₁₋₄alkylene-CONR⁴R⁵ where R⁴ & R⁵ are independently selected from H and C₁₋₄alkyl; and -C₁₋₄alkylene-COOR where R⁶ is selected from H, C₁₋₄alkyl:

R² is selected from H; -C₁₋₄à(kyl; -C₁₋₃alkylene-Ph optionally substituted on Ph as defined for substitution on Ph in R¹ = -C₁₋₃alkylene-Ph above; -COC₁₋₄alkyl; and -COOC₁₋₄alkyl;

 \mathbb{R}^3 is selected from H; OH; CN; $\mathbb{CF}_3 \setminus \mathbb{NO}_2$; $-\mathbb{C}_{1-4}$ alkyl; $-\mathbb{C}_{1-4}$ alkylene- \mathbb{R}^7 where \mathbb{R}^7 is selected from phenyl, naphthyl, a 5-10 membered monocyclic or bicyclic heteroaryl ring containing up to 5 heteroatoms selected from O, N and S and any aryl ring in R7 is optionally substituted as defined for substitution on the Ph group in R¹ =

 $-C_{1-3}$ alkylene-Ph above; R⁷; C₂₋₄alkenyl; halogen; -(CH₂)_vCOOR⁸ where y = 0-3 and R⁸ represents H, C₁₋₄alkyl, or C₂₋₄alkenyl; -CONR⁹R¹⁰ where R⁹ and R¹⁰ independently represent H, C₁₋₄alkyl, C₂₋₄alkenyl, -O-C₁₋₄alkyl, -Q-C₂₋₄alkenyl, -C₁₋₃alkylenePh optionally substituted as defined for this group for R\ above; -CON(R11)OR12 where R11 and R12 independently represent H, C1-4alkyl and C2-4alkenyl;

a group of Formula II, -CONR¹³-CHR¹⁴-COOR¹⁷, where R¹³ is H or C₁, alkyl, R¹⁷ is H or C₁-6alkyl, R¹⁴ is selected from the side chain of a lipophilic\amino acid,

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carbamoylC₁₋₄alkyl, N-(monoC₁₋₄alkyl)carbamoylC₁₋₄alkyl and N-(diC1-)

4alkyl)carbamoylC_{1.4}alkyl, the group of Formula II having L or D configuration at the chiral alpha carbon in the corresponding free amino acid; a lactone of formula

$$-CON \longrightarrow O$$

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C₁₋₄alkyl monosubstituted on carbon with =N-OH;

a group of Formula -X-R¹⁵ where X is selected from O, CO, CH₂, S, SO, SO₂ and R¹⁵ is selected from C₁₋₆alkyl, phenyl, naphthyl, a 5-10 membered monocyclic or bicyclic heteroaryl ring containing up to 5 heteroatoms selected from O, N and S and any aryl ring in R^{15} is optionally substituted as defined for the Ph group in $R^1 = -C_{1-3}$ alkylene-Ph; **p** is 0-3 in which R³ values can be the same or different;

G is a linking moiety selected from the following groups written from left to right in Formula I:

-CO-NR¹⁶- where R¹⁶ is selected from H, C₁₋₄alkyl, C₁₋₄alkylene-Z, -CO-C₁₋₄alkylene-Z, -CO-C₁₋₆alkyl, -COZ, Z and Z is selected from -O-C₁₋₄alkyl, phenyl, naphthyl, a 5-10 membered monocyclic or bicyclic heteroaryl ring containing up to 5 heteroatoms selected from O, N and S and any aryl ring in R¹⁶ is optionally substituted as defined for the Ph group in $R^1 = -C_{1-3}$ alkylene-Ph; $-CH_2-NR^{18}$ - where R^{18} represents any value defined for R¹⁶; -CH₂S-; -CH₂O-; -CH₂-CHR¹⁹- where R¹⁹ represents any value defined for R¹⁶; -CH=CR²⁰- where R²⁰ represents any value defined for R¹⁶; -CH₂NR²¹-T- where R²¹ represents any value defined for R¹⁶, T represents -(CH₂)_w- where w is 1-4 and T is optionally monosubstituted with R²² where R²² represents any value for R¹⁶ other than H; -CH₂NR²³-SO₂- where R²³ represents any value defined for R¹⁶; -CH₂-NR²⁴-CO-T-

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where R²⁴ represents any value defined for R¹⁶, T represents (CH²), where n is 0-4 and T is optionally monosubstituted with R²⁹ where R²⁹ represents any value for R¹⁶ other than H₂-CO-NR²⁵-T- where R²⁵ represents any value defined for R¹⁶, T represents -(CH₂)_w- where w is 1-4 and T is optionally monosubstituted with R²⁶ where R²⁶ represents any value for R¹⁶ other than H; -CH₂S-T- where T represents -(CH₂)_w- where w is 1-4 and T is optionally monosubstituted with R²⁷ where R²⁷ represents any value for R¹⁶ other than H; -CH₂O¹T- where T represents -(CH₂)_w- where w is 1-4 and T is optionally monosubstituted with R²⁸ where R²⁸ represents any value for R¹⁶ other than H:

A is selected from phenyl; naphthyl; a 5-10 membered monocyclic or bicyclic heteroaryl ring containing up to 5 heteroatoms where the heteroatoms are independently selected from O, N & S;

or a -S-S- dimer thereof when R²=H; or a N-oxide thereof;

or an enantiomer, diastereoisomer, pharmaceutically acceptable salt, prodrug or solvate thereof.

Please amend the second paragraph on page 9, line 7 to page 9, line 20, as follows:



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Preferably R¹ is selected from H; -CO-O-(CH₂)₀Ph optionally substituted on phenyl hereinabove defined; -CO-O-C₂₋₄alkenyl; -CO-C₁₋₄alkyl; -C₁₋₄alkylene-CONR⁴R⁵ where R⁴ and R⁵ are independently selected from H, C₁₋₄alkyl.

Most preferably R¹ is hydrogen.

Preferably R² is selected from H and -CO-C₁₋₄alkyl.



Most preferably R² is hydrogen.

Preferably G is selected from -CH₂-NR¹⁶- and -CH₂NR¹⁶-T.

Preferably A is selected from phenyl, naphthyl, pyridyl and thienyl.

Most preferably A is phenyl or naphthyl.

Preferably combinations of R³ and p are selected from:

- i) R^3 is selected from a group of Formula II, $-C_{1-4}$ alkyl R^7 , $-O-R^7$ and R^7 ; and p=1-3 with the proviso that at least one of R^3 is a group of the Formula II;
- ii) p=0 with the proviso that A is naphthyl and G is -CH₂NR¹⁶-T; and
- iii) p=1 with the proviso that $R^3 = a$ group of Formula II and A is phenyl or naphthyl.

Please amend the first paragraph on page 10 line 4 to page 10, line 15, as follows:



Suitable values for G CHNR 16 T include CH₂.N(CO.CH₂.CHMe₂).CH₂.CH₂;

CH₂.N(CH₂ CH₂ CH₂QMe).CH₂.CH₂; CH₂.N(CH₂.pPh.OMe).CH₂.CH₂;

CH₂.N(CO.CH₂.CHMe₂).CH₂; CH₂N(CO.CH₂.CH₂.CH₂.Me).CH₂;

CH₂N(CO.CH₂.CHMe.CH₂Me).CH₂; CH₂N(CO.CH₂.CH₂.OMe)CH₂;

CH₂N(CO.CH₂.pyridin-3-yl).CH₂; CH₂N(4-methoxybenzyl)CH₂;

 $\mathsf{CH_2N}(\mathsf{CO}.\mathsf{CH_2}.\mathsf{CHMe_2})\mathsf{CH_2}.\mathsf{CH_2}.\mathsf{CH_2}(\mathsf{Ph});\ \mathsf{CH_2N}(\mathsf{CO}.\mathsf{CH_3})\mathsf{CH_2}.\mathsf{CH_2}.\mathsf{CH}(\mathsf{Ph});$

CH₂N(CO.CH₂.CHMe₂)CH₂; CH₂N(CO,CH₃)CH₂; CH₂N(CO.CH₂.CHMe₂)CH₂.CH(Ph);

CH₂N(CO.CH₂.CMe₃)CH₂.CH(Ph); CH₂N(CO.CH₂.pyridin-3-yl)CH₂.CH(Ph);

CH₂N(CO.1-hydroxy-6-methoxy-pyridin-3-yl)CH₂.CH(Ph); CH₂N (CO.CH₂ pyrid-3-

yI)CH₂CH(Ph); CH₂N(CO.CH₂CHMe₂)CH₂.CH₂;\CH₂N(CO.CH₂CMe₃)CH₂.CH₂;

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\$ 50h	CH ₂ N(CO thiazol-2-yl)CH ₂ CH ₂ ; CH ₂ N (CO 1-oxido-6-hydroxypyridin-3-yl)CH ₂ CH ₂ ; CH ₂ N(CO.CH ₂ pyridin-3-yl)CH ₂ .CH ₂ and CH ₂ N(CO.4-methoxybenzyl)CH ₂ .CH ₂ .	
	Please amend the third paragraph on page 10, line 20 to page 10, line 22, as follows:	
15 Sub 154	Suitable values for $G = -CH_2NR^{16}$ - include CH_2NH ; CH_2NMe ; $CH_2N(CO.CH_2.CHMe_2)$ and $CH_2N(CO.CH_2.CH_2.OMe)$. A preferred value for $-CH_2NR^{16}$ - is $-CH_2NH_2$	
	Please amend the fourth paragraph on page 10, line 23 to page 10, line 26, as	
50b 05	follows: When G is -CH ₂ NR16-T- a suitable value for m is 1. When G is -CH ₂ - NR ¹⁶ -CO-T ¹ - a suitable value for m ¹ is 1. When G is -CH ₂ -NR ¹⁶ -T- a suitable value for m is 1. When G is -CH ₂ -S-T- a suitable value for m is 1. When G is -CH ₂ -O-T- a suitable value for m is 1. G is especially -CONH-, -CH ₂ -NH-, -CH ₂ NHSO ₂ -, -CH ₂ NHCO	
	Please amend the fifth paragraph on page 10, line 27 to page 11, line 5, as	
LAW OFFICES FINNEGAN, HENDERSON, FARABOW, GARRETT,	In another aspect G is of the formula \[\bigcup_N = \bigcup_O \] wherein the piperazine ring is optionally substituted by C ₁₋₄ alkoxyC ₁₋₄ alkyl, phenoxyC ₁₋₄ alkyl or heteroaryloxyC ₁₋₄ alkyl.	
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Please amend the first paragraph on page 11, line 1 to page 11, line 5, as follows:



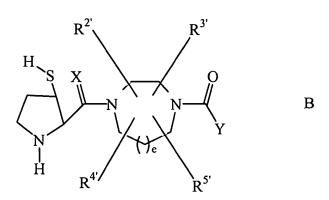
Preferably, when G is of the formula

A is naphthyl.

Please amend the first paragraph on page 19, line 20 to page 21, line 21, as follows:



In another aspect of the present invention there is provided a compound which inhibits farnesyl-protein transferase of the formula B:



wherein:

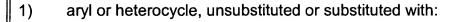
X is O or H₂;

e is 0 or 1;

t is 1 to 4;

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R^{2'}, R^{3'}, R^{4'}, and R^{5'} are independently selected from: H; C₁₋₈alkyl, alkenyl, alkynyl, aryl, heterocycle, -CO-NR^{6'}R^{7'} or -CO-OR^{6'}, unsubstituted or substituted with one or more of:



- a. C₁₋₄alkyl,
- b. (CH₂)_tOR^{6'},
- c. $(CH_2)_t NR^{6'}R^{7'}$,
- d. halogen,
- 2) C₃₋₆cycloalkyl,
- 3) OR^{6} ,
- 4) $SR^{6'}$, $S(O)R^{6'}$, $SO_2R^{6'}$,
- 5) $-NR^{6}R^{7}$,
- 6) $-NR^{6'}-CO-R^{7'}$,
- 7) -NR⁶'-CO-NR⁷'R⁸'.
- 8) $-O-CO-NR^{6'}R^{7'}$,
- 9) -O-CO-OR⁶,
- 10) $-O-NR^{6'}R^{7'}$,
- 11) -SO₂NR^{6'}R^{7'},
- 12) $-NR^{6'}-SO_2-R^{7'}$,
- 13) -CO-R⁶', or
- 14) -CO-OR⁶;

and any two of R^{2'}, R^{3'}, R^{4'}, and R^{5'} are optionally attached to the same carbon atom;

Y is aryl, heterocycle, unsubstituted or substituted with one or more of:

- 1) C₁₋₄alkyl, unsubstituted or substituted with:
 - a. C₁₋₄alkoxy,
 - b. $NR^{6'}R^{7'}$,

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- c. C₃₋₆cycloalkyl,
- d. aryl or heterocycle,
- e. HO,
- 2) aryl or heterocycle,
- 3) halogen,
- 4) OR^{6} ,
- 5) $NR^{6}R^{7}$,
- 6) CN
- 7) NO_2 , or
- 8) CF₃;

 $R^{6'}$, $R^{7'}$ and $R^{8'}$ are independently selected from: H; C_{1-4} alkyl, C_{3-6} cycloalkyl, heterocycle, aryl, aroyl, heteroaroyl, arylsulfonyl, heteroarylsulfonyl, unsubstituted or substituted with:

- a) C₁₋₄alkoxy,
- b) aryl or heterocycle,
- c) halogen,
- d) HO,
- e) -CO-R⁹,
- f) $-SO_2R^{9'}$, or
- g) NRR¹, wherein

 $\ensuremath{\mathsf{R}}^{\ensuremath{\mathsf{6}}'}$ and $\ensuremath{\mathsf{R}}^{\ensuremath{\mathsf{7}}'}$ may be joined in a ring, and

R7 and R8 may be joined in a ring;

R^{9'} is C₁₋₄alkyl or aralkyl;

or a optical isomer, disulfide or pharmaceutically acceptable salt thereof.

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	Please amend the first paragraph on page 21, line 22 to page 22, line 2, as follows:	,
,	A preferred subclass of the formula B is:	
8	SH R ² '	
-	wherein R ^{2′} and R ^{4′} are independently hydrogen and Y' is C ₁₋₄ alkyl, phenyl or a 5 or 6	
	membered heteroaryl ring containing up to 3 heteroatoms selected from N, O and S or	
	of the formula -C₁-₄alkyl OR¹0′ wherein R¹0′ is C₁-₄alkyl, phenyl or 5 or 6-membered	
	heteroaryl containing up to 3 heteroatoms selected from N, O and S. Preferably R ^{10'} is	
	C _{I-4} alkyl.	┝
	Please amend the first paragraph on page 22, line 3, as follows:	
611	Preferably Y' is naphthyl.	
j	Please amend the second paragraph on page 22, line 4 to page 22, line 18, as follows:	
702	The aspect of the invention relating to Formula B involves compounds related to	
6,~	those disclosed PCT patent application WO 95/00497 (Graham et al.); see the	
LAW OFFICES FINNEGAN, HENDERSON, FARABOW, GARRETT,	complete specification and claim 1 in particular. Formula B above is based on Formula	

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A in WO 95/00497 (Graham et al.) but with the 3-sulfanylpyrrolidine moiety of the



present invention replacing the cysteine-like moiety on the left hand side of Formula A in WO 95/00497 (Graham et al.). Optionally the nitrogen and/or thiol atoms in the pyrrolidine moiety of Formula B may be substituted by taking the values for R and R in Formula I as set out herein. Compounds within the scope of Formula B may be prepared by a skilled person using the synthetic details in WO 95/00497 (Graham et al.) combined with the present specification. Preferred compounds for this aspect of the invention correspond to those set out in claims 6-12 of WO 95/00497 (Graham et al.) but with the 3-sulfanylpyrrolidin-2-yl-methyl moiety of the present invention replacing the HS-CH₂-CH(NH₂)-CH- moiety on the left hand side of the relevant compounds attached to the piperazine ring as drawn out in the claims. A preferred compound is (2<u>S</u>)-2-(2-methoxy-ethyl)-1-([2<u>R</u>,3<u>R</u>]-3-sulfanyl-pyrrolidin-2-ylmethyl)-4-naphthoyl-piperazine; see Example 7 herein.

Please amend the first paragraph on page 32, line 4 to page 32, line 24, as follows:

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Compounds of Formula I in which G represents -CO-NR¹⁶- may be prepared by forming an amide bond between compounds 1 and 2 as outlined in Scheme 1.

Compounds of Formula I in which G represents -CO-NR¹⁶-T- may be prepared by an analogous procedure. Suitable coupling conditions include the following:

i) Use of EEDQ at ambient temperature in an organic solvent (e.g. dischloromethane, methanol).

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- ii) Use of oxalyl chloride in an organic solvent (e.g. CH_2Cl_2), DMF in a catalytic amount, in the presence of an organic base (e.g. NMM, triethylamine, DMAP) at 0° C to ambient temperature for 0.5-16h.
 - iii) Use of EDC/HOBT in an organic solvent (e.g. DMF, CH₂Cl₂).
- iv) Use of DCI/HOBT in an organic solvent (e.g. DMF, CH₂Cl₂) in the presence of an organic base (e.g. triethylamine).
- v) Use of mixed anhydride reactions under standard conditions, for example isopropylchloroformate in an organic solvent (e.g. DMF, DMA, dichloromethane) in the presence of an organic base (e.g. NMM, DMAP, triethylamine).
- vi) Via an active ester under standard conditions e.g. pentafluorophenyl ester in an organic solvent (e.g. dichloromethane) in the presence of an organic base (e.g. triethylamine).
- vii) Via an acid chloride under standard conditions e.g. using thionyl chloride and heat for about 150min followed by an organic base (e.g. triethylamine) in the presence of an organic solvent (e.g. acetonitrile).

Please amend the second paragraph on page 32, line 24 to page 33, line 3, as follows:

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Compounds of Formula I in which G represents -CH₂NR¹⁶-, -CH₂O- or -CH₂S-may be prepared as outlined in Scheme 2. LG represents a leaving group (e.g. mesyloxy, tosyloxy, halogen) and X represents S, O or NR¹⁶. Suitable coupling conditions include the following.

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- i) Use of an inorganic base (e.g. NaHCO₃, NaH, K₂CO₃, butyllithium) in an organic solvent (e.g. THF, DMF, DMSO) and a temperature of about 65° to 150° C
- ii) De of an organic base (e.g. triethylamine, DMAP) in an organic solvent (e.g. THF, dichloromethane, DMA, DMF) at a temperature range of room temperature -150° C
- iii) Use of an inorganic base (e.g. KOH, NaOH, K₂CO₃) in an aqueous (e.g. water) and organic solvents (e.g. dichloromethane) in a 2 phase system, optionally in the presence of a phase transfer catalyst (e.g. tetrabutylammoniumbromide).

Please amend the first paragraph on page 33, line 4 to page 33, line 12, as follows:



Compounds of Formula I in which G represents -CH=CR¹⁶- may be prepared using a Wittig reaction as outlined in Scheme 3. Suitable reaction conditions include the following.

i) Use of a base (e.g. potassium carbonate, metal hydride, metal alkoxide) in the presence of an organic solvent (e.g. THF, toluene, DMSO) optionally in the presence of an aqueous solvent (2-phase system) and optionally in the presence of a catalyst complexing agent which solubilises alkali metal ions in non-polar solvents such as 1,4,7,10,13-pentaoxacyclopentadecane (also called 15-Crown-5) or 1,4,7,10,13,16-hexaoxacyclooctadecane (also called 18-Crown-6).

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Please amend the second paragraph on page 33, line 13 to page 33, line 18, as follows:

Sub 198 Compounds of Formula I in which G represents -CH2 NR - may be prepared as outlined in Scheme 4 by coupling aldehyde (2) with compound 4. Suitable coupling conditions include the following.

i) Use of reducing agent (e.g. NaCNBH₃, BH₃, hydrogen plus catalyst, LiHBEt₃, di-isobutyl-aluminiumhydride, lithium aluminium hydride, sodium borhydride) in the presence of suitable solvent e.g. ethanol and acetic acid.

Please amend the fifth paragraph on page 33, line 28 to page 34, line 2, as follows:

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Compounds of Formula I in which G represents -CH₂-NR¹⁶-T-, -CH₂-O-T- or -CH₂-S-T- may be prepared as outlined in Scheme 5 in which LG represents a leaving group (e.g. mesyloxy, tosyloxy, halogen) and X represents O, S or NR¹⁶. Suitable coupling conditions are as outlined above in relation to Scheme 2. Optionally the positions of LG and XH in compounds 1 and 2 in Scheme 5 can be reversed to give the same end product.

Please amend the first paragraph on page 34, line 3 to page 34, line 10, as follows:

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Compounds of Formula I in which G represents -CH₂-NR¹⁶-SO₂- may be prepared as outlined in Scheme 6. Compounds 1 and 2 may be coupled under standard conditions such as the following.

i) Use of an organic base (e.g. di-isopropyl-ethylamine, triethy	
	ylamine,
4-methyl-morpholine) in the presence of an organic solvent (e.g. dichloromethal	ne) at a
temperature range of 0°- 40° C.	
ii) Use of an inorganic base (e.g. potassium carbonate) in the	,
presence of an organic solvent (e.g. DMF) at a temperature range of 0° - 150° (С
4. ·	
Please amend the second paragraph on page 34, line 11 to page 34, line	e 13, as
follows:	
Compounds of Formula I in which G represents -CH ₂ -NR ¹⁶ -CO-T- may b	oe
prepared as outlined in Scheme 7. Compounds 1 and 2 may be coupled unde	er
standard conditions such as described above for G = -CO-NR ¹⁶	
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Please amend the third paragraph on page 34, line 14 to page 34, line 1	8, as
Please amend the third paragraph on page 34, line 14 to page 34, line 1 follows:	8, as
follows:	epared
follows: Compounds of Formula I in which G represents -CH ₂ -CHR ¹⁶ - may be presented to the compound of the	epared eduction
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follows: Compounds of Formula I in which G represents -CH ₂ -CHR ¹⁶ - may be present by reduction of compounds of the type set out as compound 3 in Scheme 3. Refine the control of the standard conditions with standard reagents for example using the control of the standard conditions with standard reagents for example using the control of the control of the standard conditions with standard reagents for example using the control of the c	epared eduction ing
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Compounds of Formula I in which G represents -CH ₂ -CHR ¹⁶ - may be present by reduction of compounds of the type set out as compound 3 in Scheme 3. Refiscarried out under standard conditions with standard reagents for example using hydrogenation in the presence of a catalyst such as palladium on charcoal at all temperature. Please amend the fourth paragraph on page 34, line 19 to page 34, line	epared eduction ing mbient